ACM PORTAL
THE ACM DIGITAL LIBRARY

> home > about > feedback > login

US Patent & Trademark Office

Beta Try the *new* Portal design
Give us your opinion after using it.

Search Results

Search Results for: **[serializ* and xml and object]**
Found **171** of **127,944 searched.**

Search within Results

GO > Advanced Search

> Search Help/Tips

1 Technical correspondence: Object serialization analysis and comparison in Java and .NET 100%

Marjan Hericko , Matjaz B. Juric , Ivan Rozman , Simon Beloglavec , Ales Zivkovic
ACM SIGPLAN Notices August 2003
Volume 38 Issue 8

This article compares binary and XML object serialization on Java and Microsoft .NET platforms from the performance and size perspective. It uses three different types of objects and different number of objects to make a comparison which reflects real-world circumstances. The article has the following contributions: (1) it compares binary and XML serialization between Java and .NET to compare the efficiency of both platforms; (2) it compares binary and XML serialization within the platforms to c ...

2 HydroJ: object-oriented pattern matching for evolvable distributed systems 100%

Keunwoo Lee , Anthony LaMarca , Craig Chambers
ACM SIGPLAN Notices , Proceedings of the 18th ACM SIGPLAN conference on Object-oriented programing, systems, languages, and applications October 2003
Volume 38 Issue 11

In an evolving software system, components must be able to change independently while remaining compatible with their peers. One obstacle to independent evolution is the *brittle parameter problem*: the ability of two components to communicate can depend on a number of *inessential* details of the types, structure, and/or contents of the values communicated. If these details change, then the components can no longer communicate, even if the *essential* parts of the message remain ...

3 Session 2: secure Web services: Designing a distributed access control processor for network services on the Web 100%

Reiner Kraft

Proceedings of the 2002 ACM workshop on XML security November 2002

The service oriented architecture (SOA) is gaining more momentum with the advent of network services on the Web. A programmable and machine accessible Web is the vision of many,and might represent a step towards the semantic Web. However, security is a crucial requirement for the serious usage and adoption of the Web services technology. This paper enumerates design goals for an access control model for Web services. It then introduces an abstract general model for Web services components, along ...

4 Education and training: An XML-based approach to multimedia software engineering for distance learning 100%

T. Arndt , S. K. Chang , A. Guercio , P. Maresca

Proceedings of the 14th international conference on Software engineering and knowledge engineering July 2002

Multimedia Software Engineering (MSE) is a new frontier for both Software Engineering (SE) and Visual Languages (VL). In fact multimedia software engineering can be considered as the discipline for systematic specification, design, substitution and verification of visual patterns. Visual Languages contribute to MSE such concepts as: Visual notation for software specification, design and verification flow charts, ER diagrams, Petri Nets, UML visualization, visual programming languages etc. Multim ...

5 Flexible consistency checking 100%

Christian Nentwich , Wolfgang Emmerich , Anthony Finkelstein , Ernst Ellmer

ACM Transactions on Software Engineering and Methodology (TOSEM) January 2003

Volume 12 Issue 1

The problem of managing the consistency of heterogeneous, distributed software engineering documents is central to the development of large and complex systems. We show how this problem can be addressed using xlinkit, a lightweight framework for consistency checking that leverages standard Internet technologies. xlinkit provides flexibility, strong diagnostics, and support for distribution and document heterogeneity. We use xlinkit in a comprehensive case study that demonstrates how design, impl ...

6 Towards a richer Web object model 100%

Frank Manola

ACM SIGMOD Record March 1998

Volume 27 Issue 1

The World Wide Web is becoming an increasingly important factor in planning for enterprise distributed computing environments, both to support external access to enterprise systems and information (e.g., by customers, suppliers, and partners), and to support internal enterprise operations. Organizations perceive a number of advantages in using the Web in enterprise computing, a particular advantage being that it provides an information representation which• supports interlinking of all ...

7 Models and tools for generating digital libraries: Localizing experience of digital content via structural metadata 100%

Naomi Dushay

Proceedings of the second ACM/IEEE-CS joint conference on Digital libraries July 2002

With the increasing technical sophistication of both information consumers and providers, there is increasing demand for more meaningful experiences of digital

information. We present a framework that separates digital object experience, or rendering, from digital object storage and manipulation, so the rendering can be tailored to particular communities of users. Our framework also accommodates extensible digital object behaviors and interoperability. The two key components of our approach are ...

8 Anatomy of a native XML base management system 99%



T. Fiebig , S. Helmer , C.-C. Kanne , G. Moerkotte , J. Neumann , R. Schiele , T. Westmann

The VLDB Journal — The International Journal on Very Large Data Bases December 2002

Volume 11 Issue 4

Several alternatives to manage large XML document collections exist, ranging from file systems over relational or other database systems to specifically tailored XML base management systems. In this paper we give a tour of Natix, a database management system designed from scratch for storing and processing XML data. Contrary to the common belief that management of XML data is just another application for traditional databases like relational systems, we illustrate how almost every component in a ...

9 A generative approach to framework instantiation 99%



Vaclav Cechticky , Philippe Chevalley , Alessandro Pasetti , Walter Schaufelberger

Proceedings of the second international conference on Generative programming and component engineering September 2003

This paper describes the OBS Instantiation Environment, which demonstrates a generative approach to automating the instantiation process of a component-based framework. The process is automated in the sense that designers configure and assemble the framework components using intuitive visual operations in a GUI-based environment. Their configuration actions are then used to automatically generate the framework instantiation code. Generative techniques for framework instant ...

10 Multimedia: Towards a multimedia formatting vocabulary 99%



Jacco van Ossenbruggen , Lynda Hardma , Joost Geurts , Lloyd Rutledge

Proceedings of the twelfth international conference on World Wide Web May 2003

Time-based, media-centric Web presentations can be described declaratively in the XML world through the development of languages such as SMIL. It is difficult, however, to fully integrate them in a complete document transformation processing chain. In order to achieve the desired processing of data-driven, time-based, media-centric presentations, the text-flow based formatting vocabularies used by style languages such as XSL, CSS and DSSSL need to be extended. The paper presents a selection of u ...

11 Implementing incremental code migration with XML 99%



Wolfgang Emmerich , Cecilia Mascolo , Anthony Finkelstein

Proceedings of the 22nd international conference on Software engineering June 2000

We demonstrate how XML and related technologies can be used for code mobility at any granularity, thus overcoming the restrictions of existing approaches. By not fixing a particular granularity for mobile code, we enable complete programs as well as individual lines of code to be sent across the network. We define the concept of incremental code mobility as the ability to migrate and add, remove, or replace code fragments (i.e., increments) in a remote program. The combination of fine-grain ...

12 Query Language for Semantic Web: EDUTELLA: a P2P networking infrastructure based on RDF 98%

Wolfgang Nejdl , Boris Wolf , Changtao Qu , Stefan Decker , Michael Sintek , Ambjörn Naeve , Mikael Nilsson , Matthias Palmér , Tore Risch

Proceedings of the eleventh international conference on World Wide Web May 2002

Metadata for the World Wide Web is important, but metadata for Peer-to-Peer (P2P) networks is absolutely crucial. In this paper we discuss the open source project Edutella which builds upon metadata standards defined for the WWW and aims to provide an RDF-based metadata infrastructure for P2P applications, building on the recently announced JXTA Framework. We describe the goals and main services this infrastructure will provide and the architecture to connect Edutella Peers based on exchange of ...

13 Database and digital library technologies: DL-COTF: an XML based digital library for U. S. Navy's operational test and evaluation force 98%

Kurt Maly , Mohammad Zubair , S. Balusani , A. Mathur , S. Sudeep , W. Wolters

Proceedings of the 2002 ACM symposium on Applied computing March 2002

This paper describes the development of the XML based digital library (DL-COTF) for the United States Navy's operational test and evaluation command (COMOPTEVFOR). COMOPTEVOR tests new systems (weapons, ships, aircraft, etc.) that industry develops and dependent upon test results, the Navy purchases. Each development spans several years and has a large number of documents in various formats. These related documents that all belong to a specific program are required to be available electronically ...

14 Middleware for software leasing over the Internet 98%

H.-A. Jacobsen , O. Günther

Proceedings of the 1st ACM conference on Electronic commerce November 1999

15 Requirements for and evaluation of RMI protocols for scientific computing 97%

Madhusudhan Govindaraju , Aleksander Slominski , Venkatesh Choppella , Randall Bramley , Dennis Gannon

Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM) November 2000

Distributed software component architectures provide a promising approach to the problem of building large scale, scientific Grid applications. Communication in these component architectures is based on Remote Method Invocation (RMI) protocols that allow one software component to invoke the functionality of another. Examples include Java remote method invocation (Java RMI) and the new Simple Object Access Protocol (SOAP). SOAP has the advantage that many programming languages and component ...

16 Getting Erlang to talk to the outside world 97%

Joe Armstrong

Proceedings of the 2002 ACM SIGPLAN workshop on Erlang October 2002

How should Erlang talk to the outside world? --- this question becomes interesting if we want to build distributed applications where Erlang is one of a number of communicating components.We assume these components interact by exchanging messages --- at this level of abstraction, details of programming language, operating

system and host architecture are irrelevant. What is important is the ease with which we can construct such systems, and the precision with which we can isolate faulty componen ...

17 Extending Java for high-level Web service construction 97%

Aske Simon Christensen , Anders Møller , Michael I. Schwartzbach
ACM Transactions on Programming Languages and Systems (TOPLAS) November 2003
Volume 25 Issue 6

We incorporate innovations from the <bigwig> project into the Java language to provide high-level features for Web service programming. The resulting language, JWIG, contains an advanced session model and a flexible mechanism for dynamic construction of XML documents, in particular XHTML. To support program development we provide a suite of program analyses that at compile time verify for a given program that no runtime errors can occur while building documents or receiving form input, and ...

18 First European workshop on XML and knowledge management best papers: A Java-based framework to support computer-assisted creation of structured XML documents 97%

Andrea Trentini
ACM SIGAPP Applied Computing Review April 2002
Volume 10 Issue 1

In the management of document-based information, the structure of the document itself is very important. In the XML world you can use a DTD (Document Type Definition) or XMLSchema to define that structure. But not everything can be described (and forced) through a DTD while XMLSchema is not yet widely supported. For our MENTOR project - a document-based university management system - we needed a tool to support the creation and storage of official-meeting transcripts. These documents are strongl ...

19 A service management framework for M-commerce applications 97%

Gary Shih , Simon S. Y. Shim
Mobile Networks and Applications June 2002
Volume 7 Issue 3

Mobile commerce (m-commerce) refers to an ability to conduct wireless commerce transactions using mobile applications in mobile devices. M-commerce applications can range from as simple as an address book synchronization to as complicated as credit card transactions. M-commerce is expected to grow dramatically in the near future supporting simple to complex commerce transactions. Even though the Wireless Application Protocol (WAP) is designed to facilitate the development of wireless application ...

20 An architecture for secure wide-area service discovery 97%

Todd D. Hodes , Steven E. Czerwinski , Ben Y. Zhao , Anthony D. Joseph , Randy H. Katz
Wireless Networks March 2002
Volume 8 Issue 2/3

The widespread deployment of inexpensive communications technology, computational resources in the networking infrastructure, and network-enabled end devices poses an interesting problem for end users: how to locate a particular network service or device out of hundreds of thousands of accessible services and devices. This paper presents the architecture and implementation of a secure wide-area Service Discovery Service (SDS). Service providers use the SDS to advertise

descriptions of available ...

Results 1 - 20 of 171 short listing

Prev Page 1 2 3 4 5 6 7 8 9 Next Page

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.